Fig.1

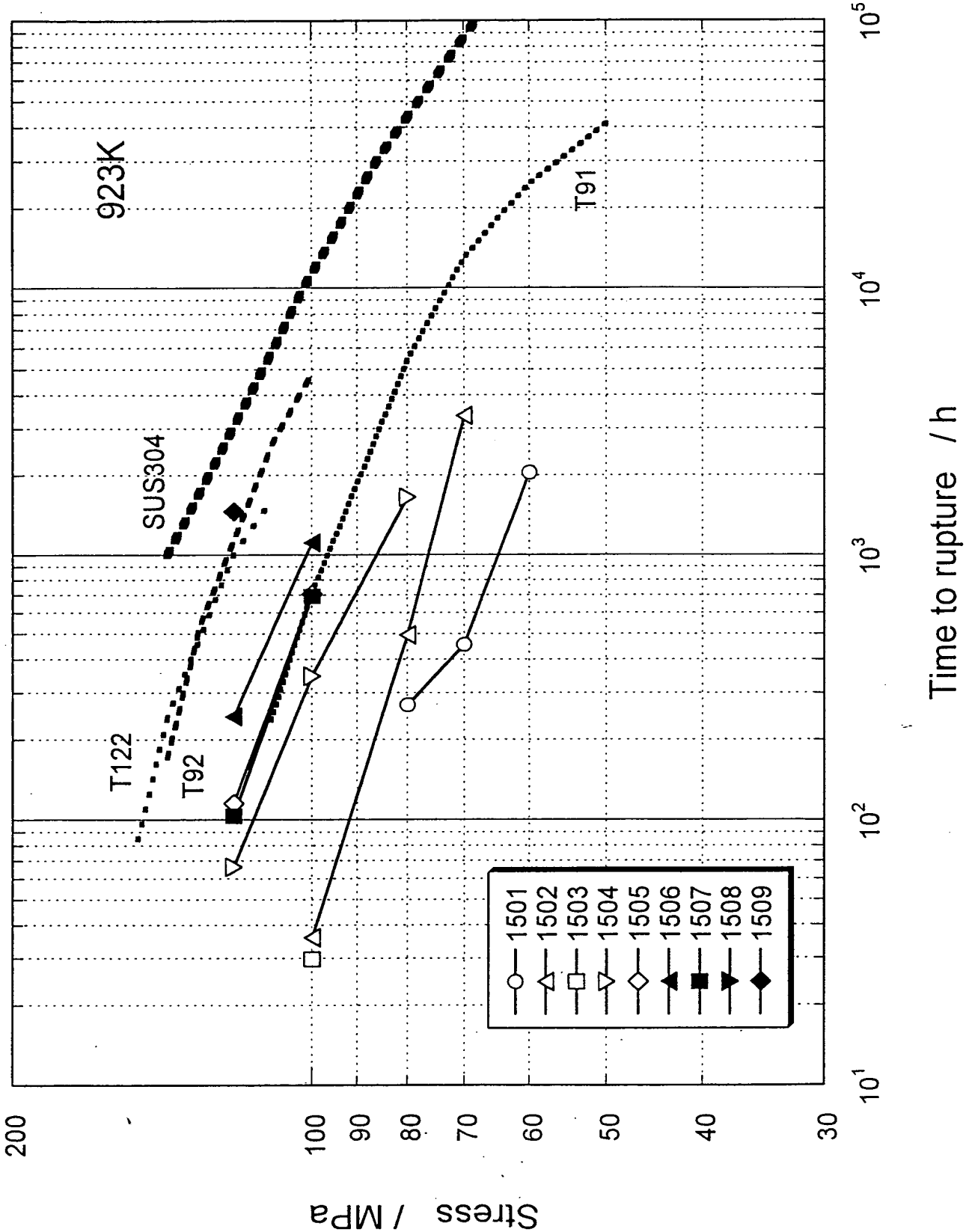

923K
SUS304
T122
T92
T91
1501
1502
1503
1504
1505
1506
1507
1508
1509
200
100
90
80
70
60
50
40
30
Stress / MPa
10^1
10^2
10^3
10^4
10^5
Time to rupture / h

Fig.2

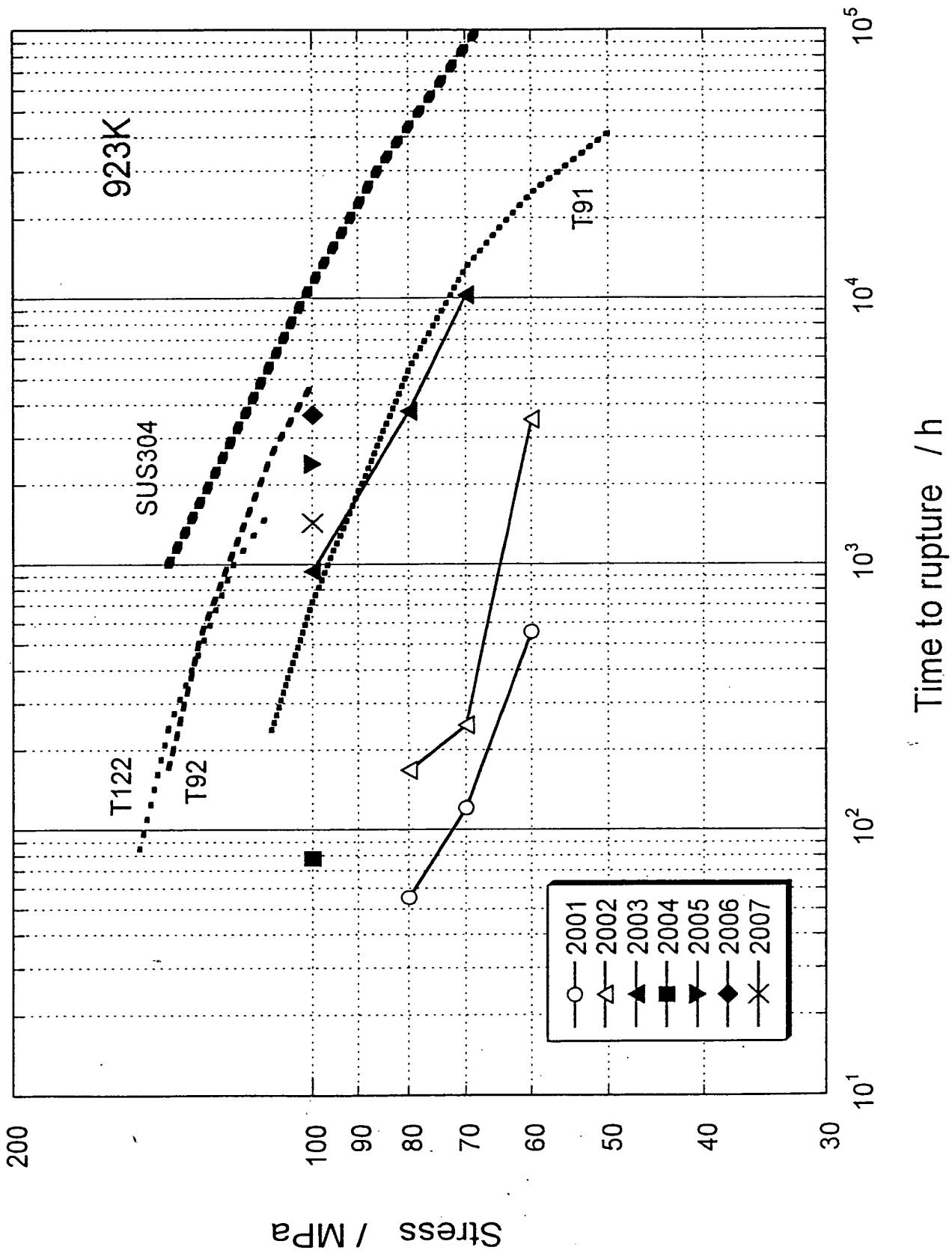

923K
SUS304
T122
T92
T91
2001
2002
2003
2004
2005
2006
2007
200
100
90
80
70
60
50
40
30
Stress / MPa
10^1
10^2
10^3
10^4
10^5
Time to rupture / h

Fig.3

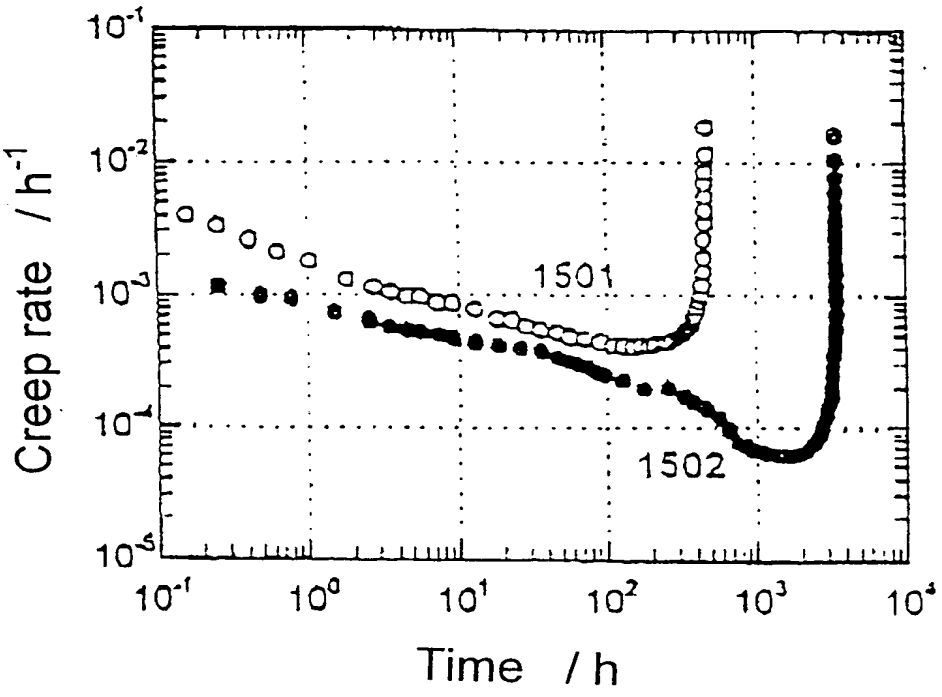

Creep rate / h-1
10-1
10-2
10-3
10-4
10-5
1501
1502
10-1
100
101
102
103
104
Time / h

Fig.4

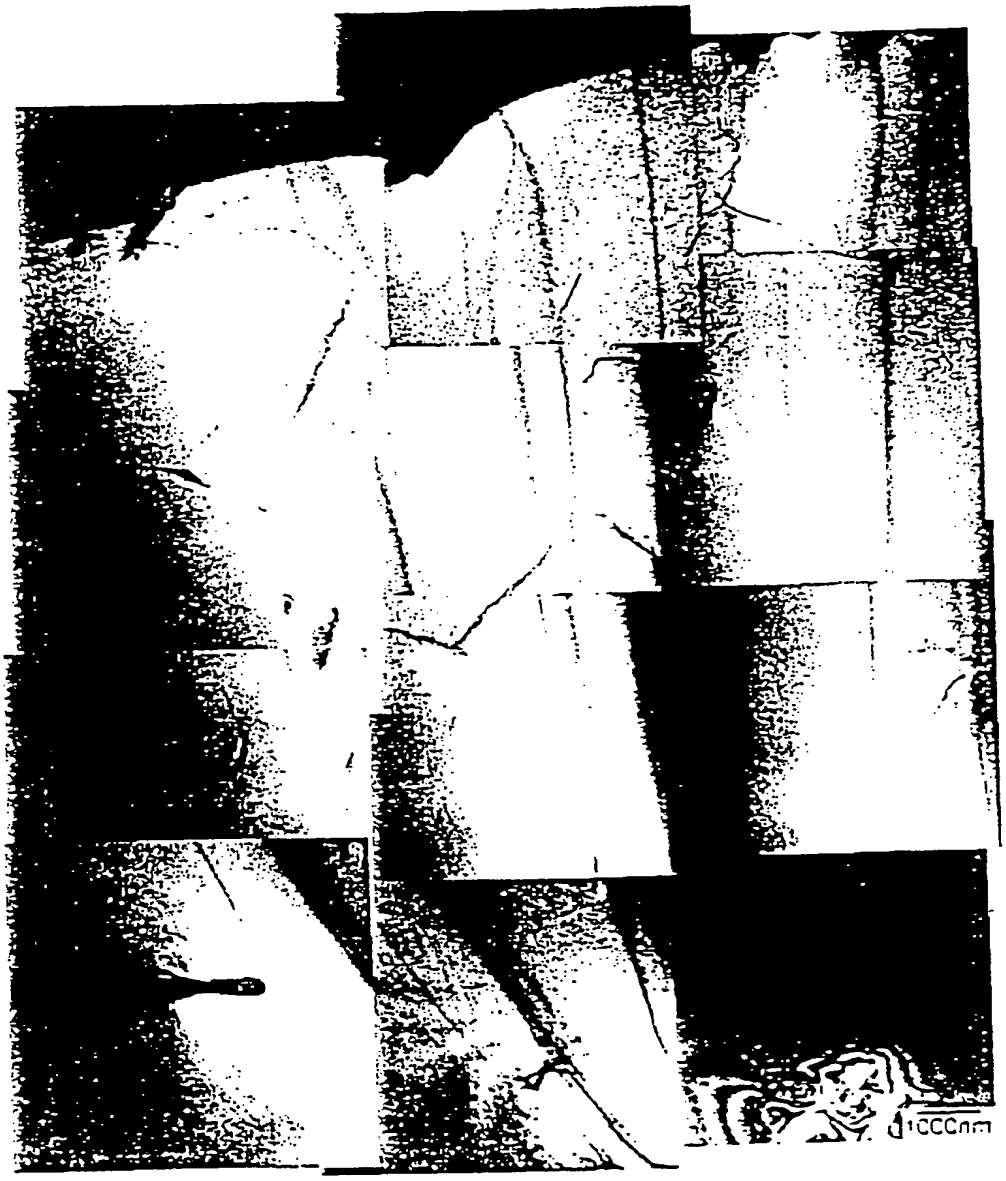


Fig.5

Fig.6

Fig.7

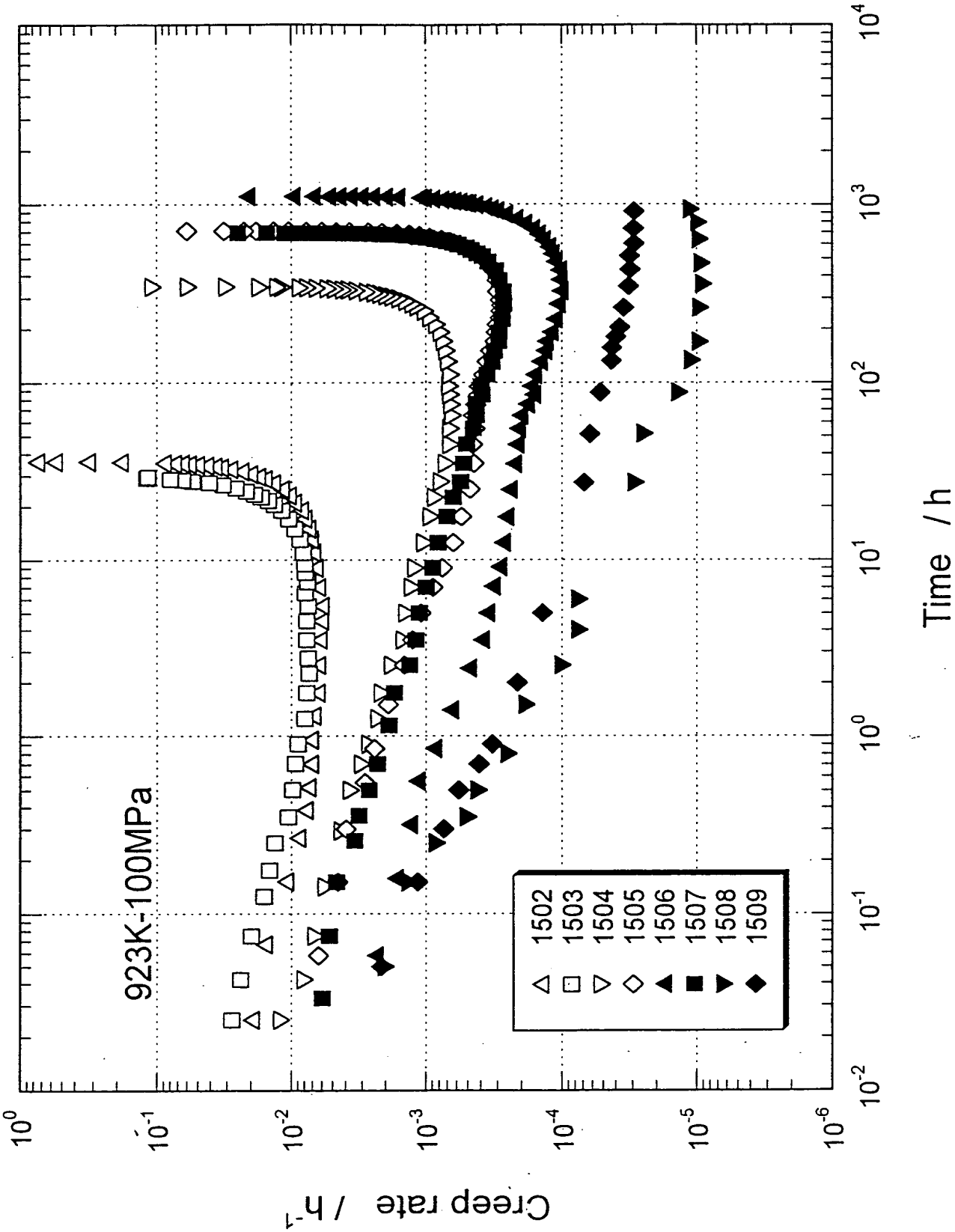

923K-100MPa
1502
1503
1504
1505
1506
1507
1508
1509
Creep rate / h-1
Time / h
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
10^-2
10^-1
10^0
10^1
10^2
10^3
10^4

Fig.8

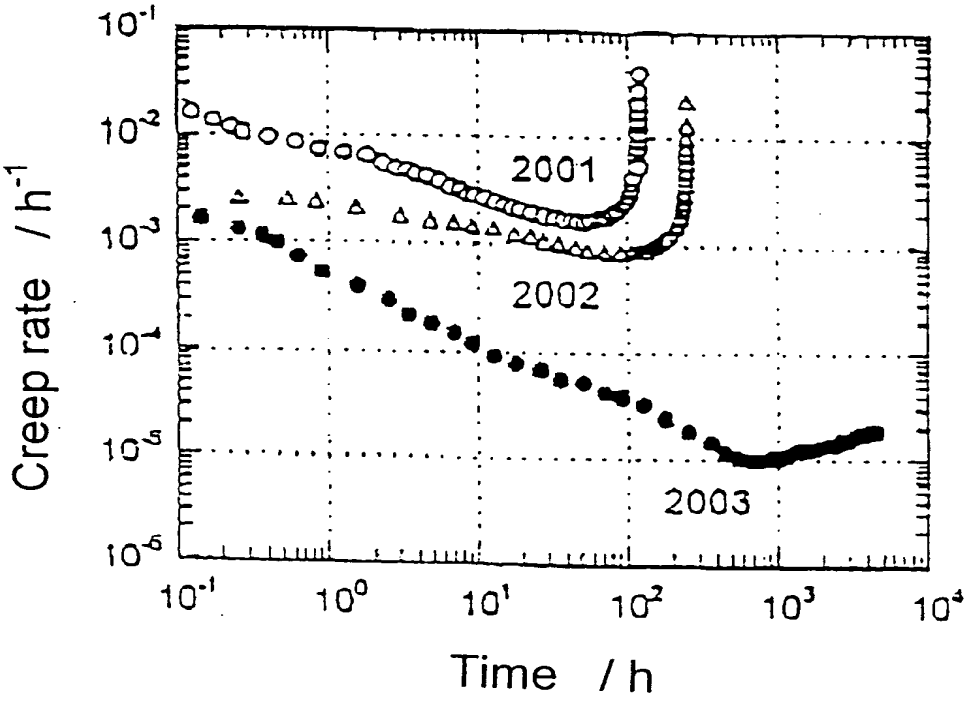

Creep rate / h-1
Time / h
2001
2002
2003
10-1
10-2
10-3
10-4
10-5
10-6
10-1
100
101
102
103
104

Fig.9

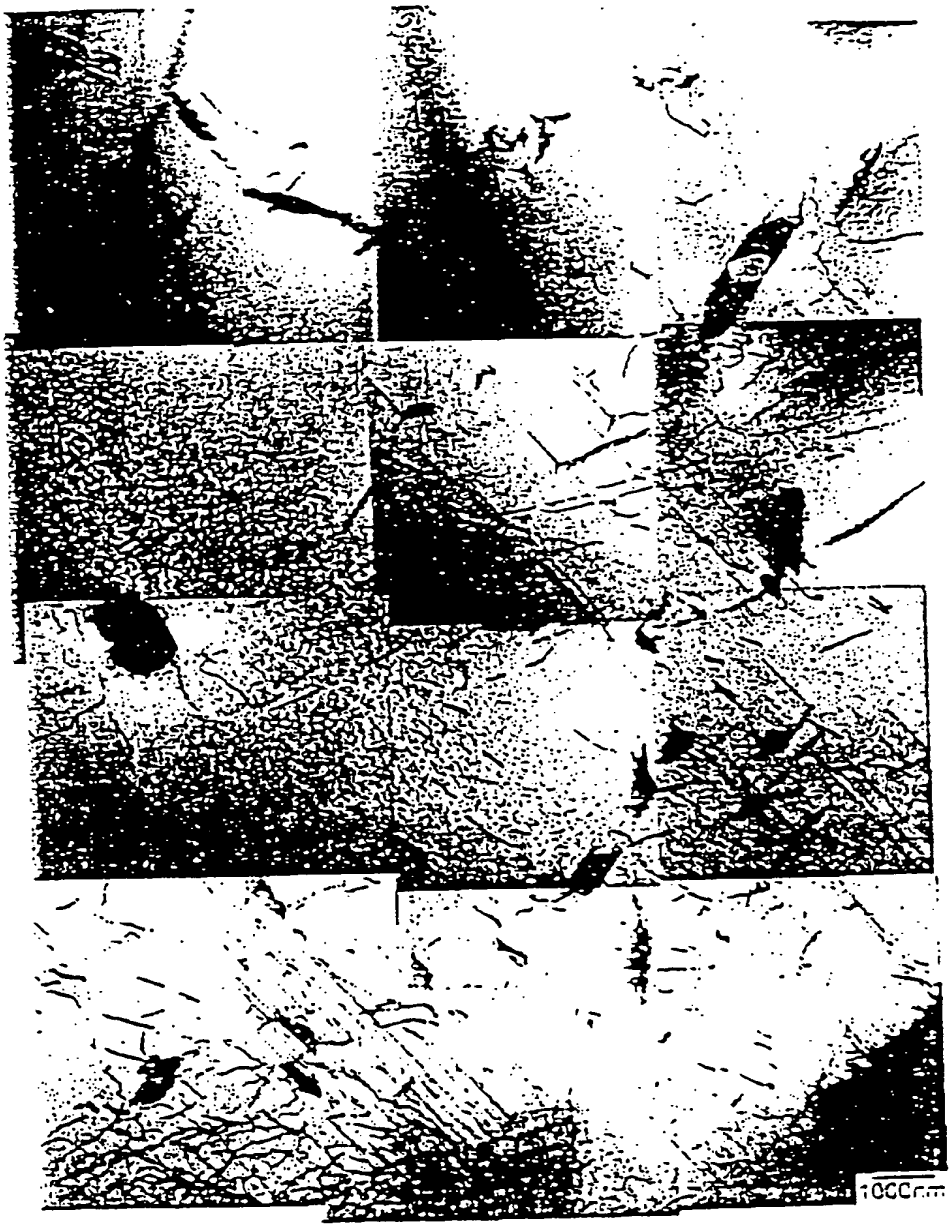


Fig.10

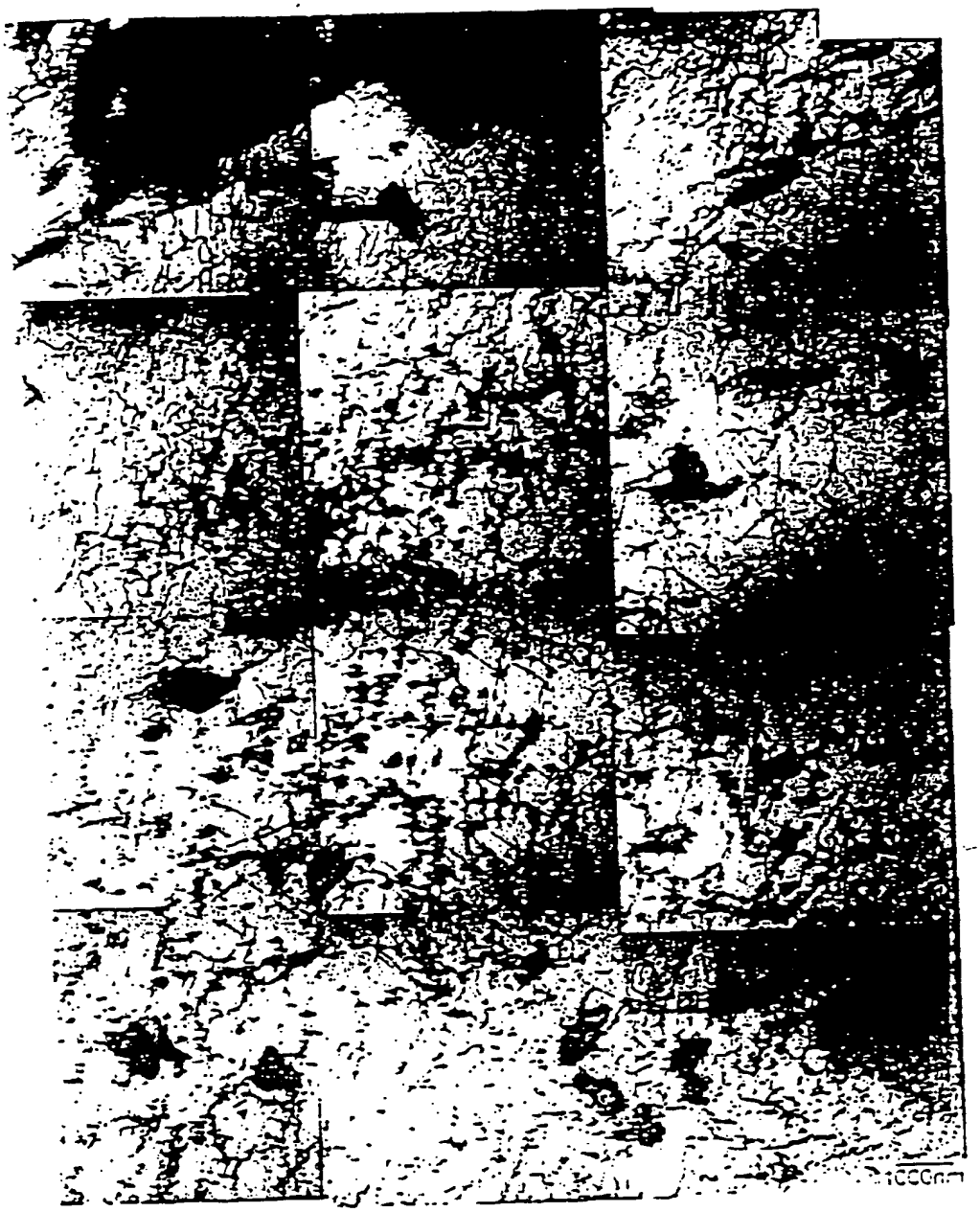


Fig.11

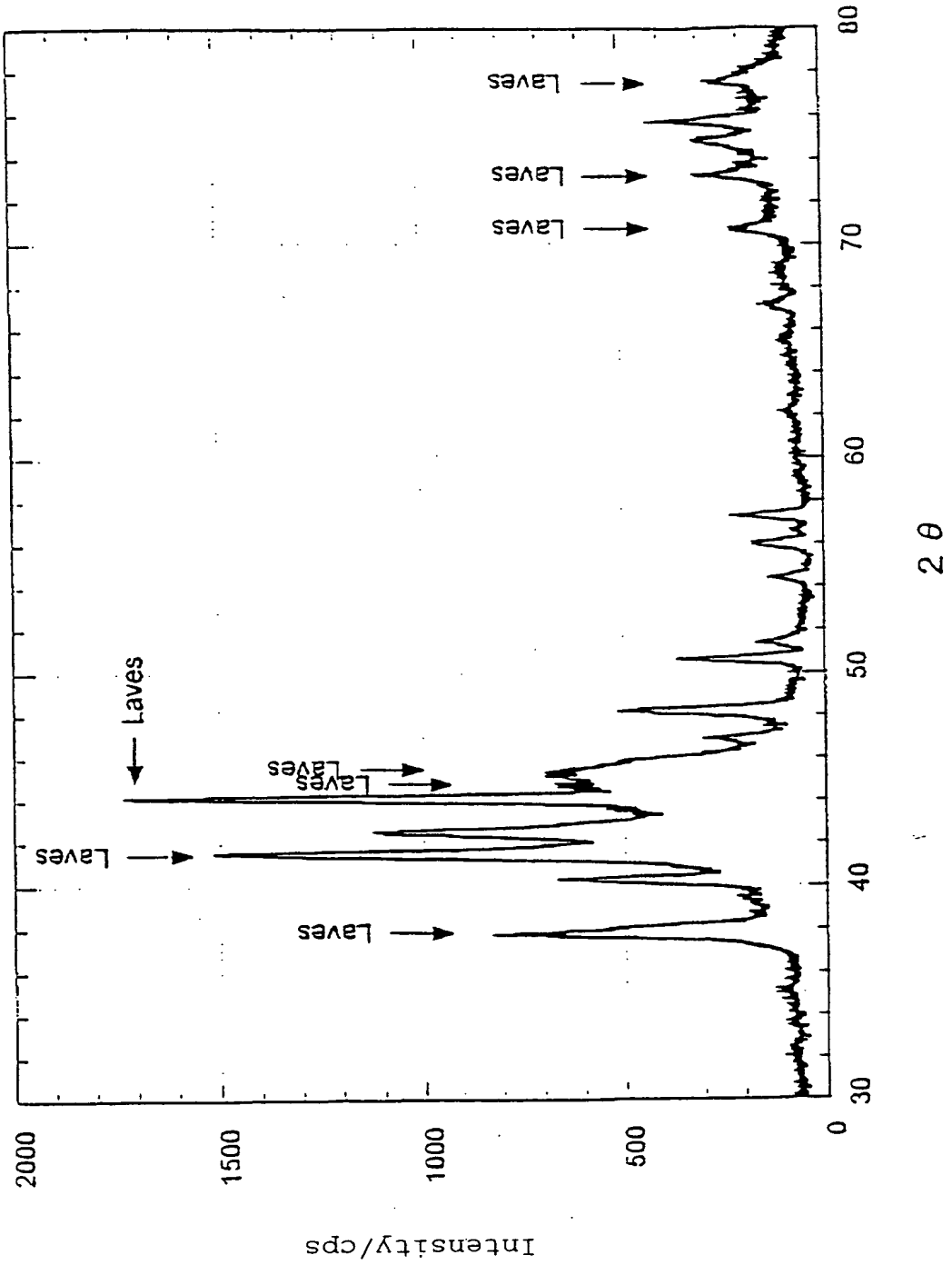

Intensity/cps
2000
1500
1000
500
0
30
40
50
60
70
80
2 θ
Laves
Laves
Laves
Laves
Laves
Laves
Laves

Fig.12

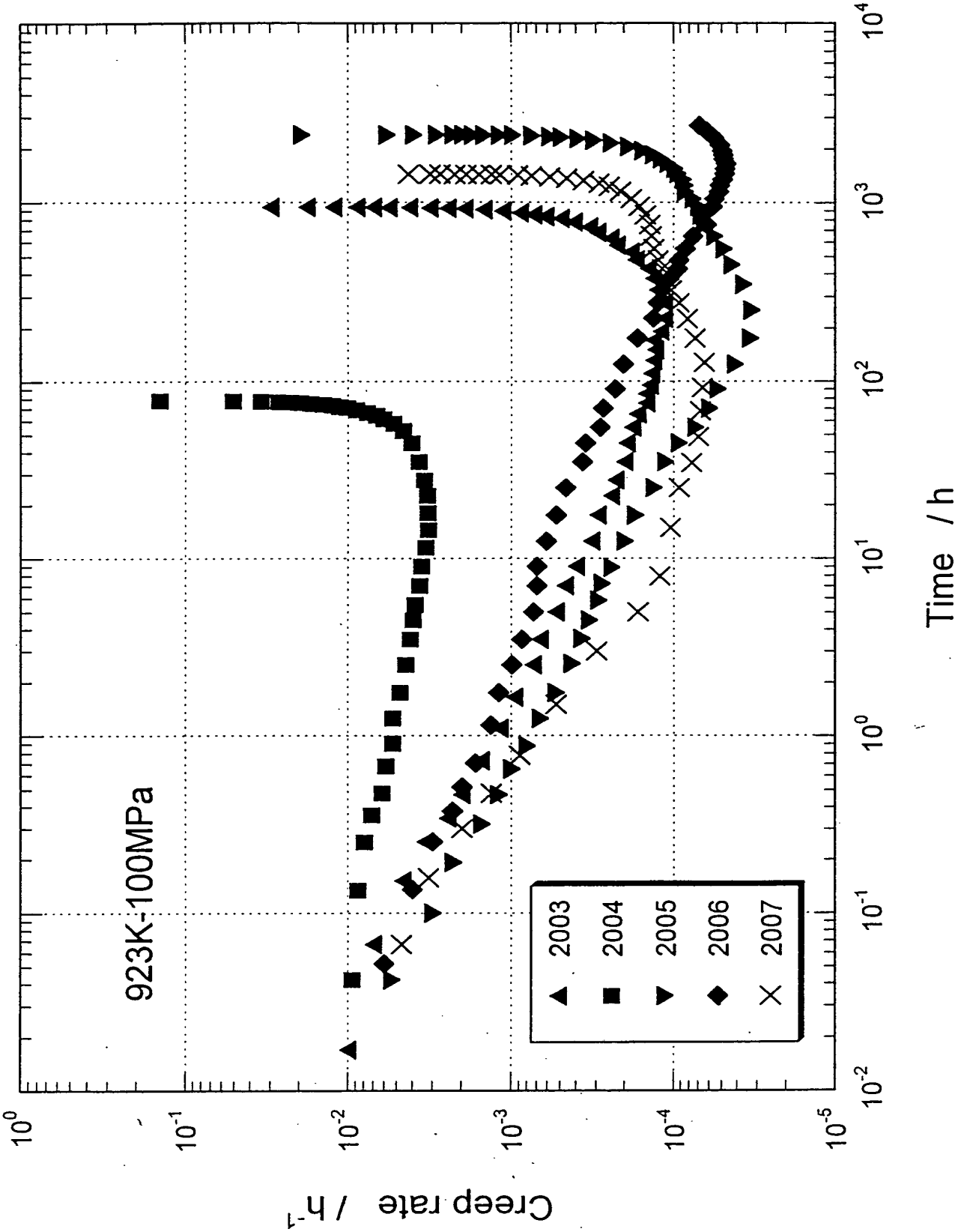

923K-100MPa
2003
2004
2005
2006
2007
Creep rate / h-1
Time / h
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
10^-2
10^-1
10^0
10^1
10^2
10^3
10^4

Fig.13

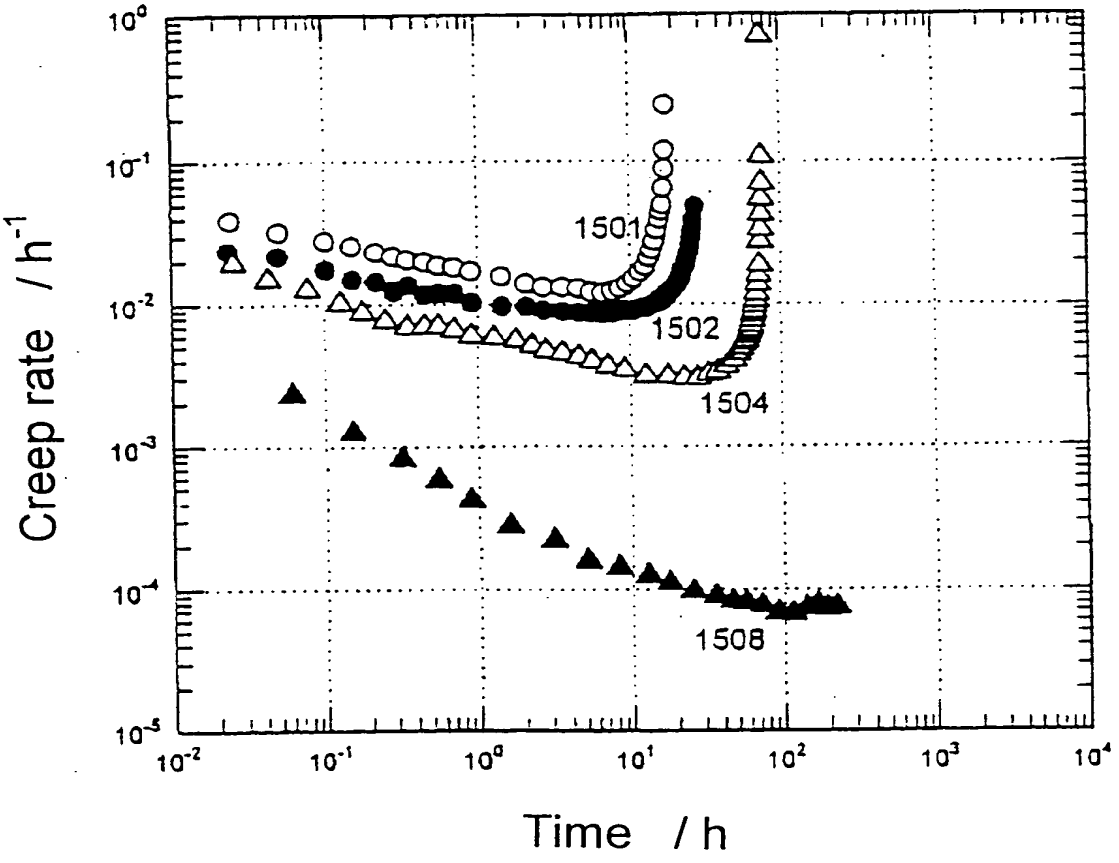
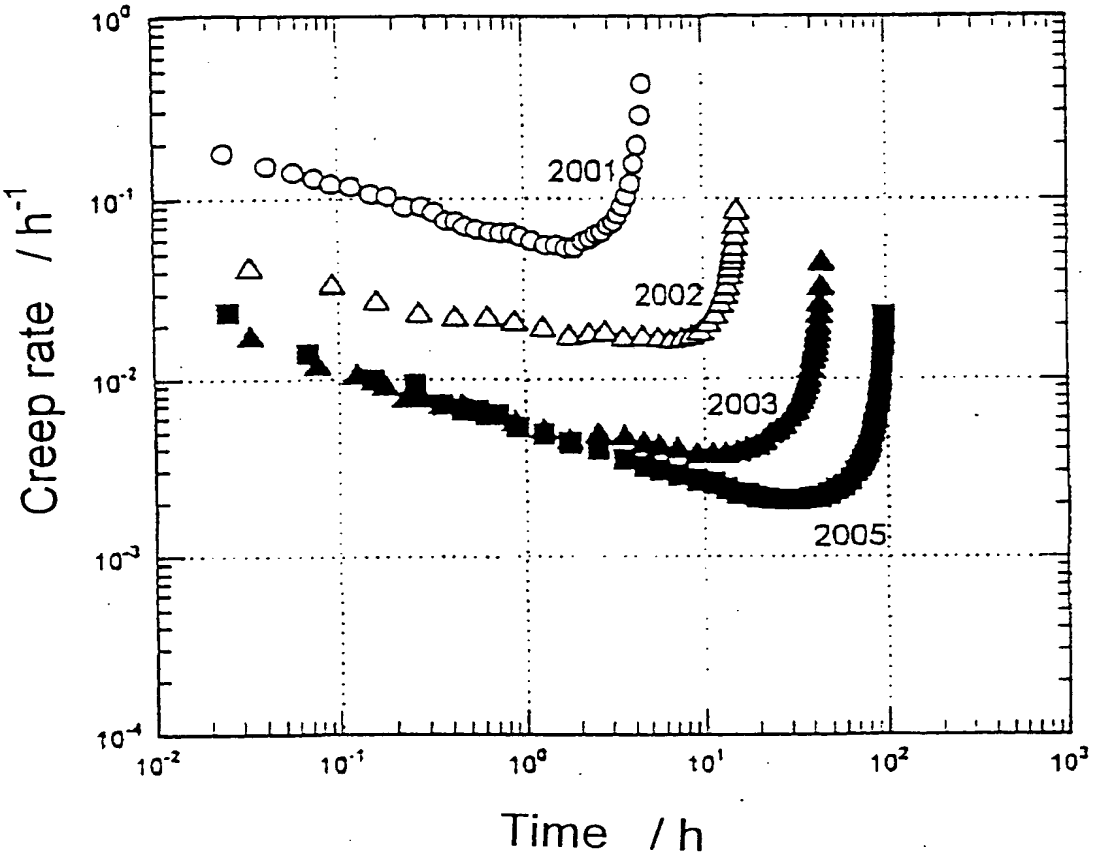

Creep rate / h^{-1}
Time / h
1501
1502
1504
1508
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-2}
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
10^{4}

Fig.14


Creep rate / h^{-1}
Time / h
2001
2002
2003
2005
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-2}
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}